



Approved Body authorised by the MCA

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Certificate No: LR26333054UKMB
Issue Date: 15/07/2026
Expiry Date: 14/07/2031

UK CONFORMITY ASSESSMENT EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

Lloyd's Register Marine Limited (LRM Ltd), a UKAS accredited product certification body No. 23495, did undertake the relevant conformity assessment procedures for the marine equipment identified below which was found to be in compliance with the requirements of The Merchant Shipping (Marine Equipment) Regulations 2025 (SI 2025/1280), subject to any conditions in the schedule attached hereto.

Manufacturer	MCT Brattberg AB
Address	Lyckeåborg, Karlskrona, 371 92, Sweden
Reference	MSN1874 Amendment 11
Regulation Item (No. & Item Designation)	UK/3.26a Penetrations through 'A' Class divisions: electric cable transits
Product Type	Fire penetration seal
Product Description	MCT Brattberg "SR, MSR & DB Series" Cable Glands in A class Steel bulkheads and decks for cables
Trade Name	"SR, MSR & DB"
Specified Standard	IMO Res. MSC.307(88)-(2010 FTP Code) Annex 1, Part 3 MSC.1/Circular 1488

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

This certificate is issued under the authority of the MCA. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved marine equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

The "United Kingdom conformity mark" may only be affixed to the above approved marine equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2025, is fully complied with and controlled by a written inspection agreement with an Approved Body.

Lloyd's Register Marine Limited (Reg. no. 13281335) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK.
A member of Lloyd's Register group.

Marta Walk

Fire & Safety - Senior Specialist
For and on behalf of Lloyd's Register Marine Ltd. (8512)

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ATTACHMENT TO UK TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26333054UKMB

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and the Merchant Shipping (Marine Equipment) Regulations 2025 for the UK Type Examination of marine equipment for use on UK ships.

This Design Appraisal Document forms part of the Certificate.

This Certificate is a Renewal and an Amendment of Certificate Number LR2351297UKMB.

APPROVAL/EXAMINED DOCUMENTATION

Test Reports

Building Research Establishment (BRE), Garston, United Kingdom, Fire Test Reports No: 301124D Issue 1 dated 21 April 2016,-P101462-1021 Issue 1 dated 17 April 2020, P101462-1022 Issue 1 dated 7 July 2020. P101462-1023 dated 9 October 2020, P101462-1025 dated 9 August 2022, P101462-1026 dated 8 November 2022 and P101462-1027 Issue 1 dated 4 January 2023

RISE Research Institutes of Sweden AB, Boras, Sweden; Fire Test Reports, Fire Test Report No.: O100409-1156471-1

Manufacturer's drawings: 1220244 Rev.B, 1220245 Rev.B, 1220246, Rev.B, 1220244, Rev.B, 1220251, Rev.B. & 1220253, Rev.B.

CONDITIONS OF CERTIFICATION

1. Consisting of MCT Brattberg round cable glands with cylindrical silicone rubber bung tightened with two semicircular compression plates either bolted (MSR) or welded (SR) to the deck or bulkhead.
2. DB single cable variant also accepted bolted to the deck or bulkhead. DB Gland available as EMC conversion.
3. The SR, MSR and DB Series Cable Transits may be accepted for applications in A Class steel divisions , insulation arrangement for the penetrations are given in the tables below.

Table 1. MSR cable glands in A-0 and A-60 divisions

Seal	Maximum Cable Diameter (mm)	Application	Penetration position	Rating	Drawing
MSR	4-32mm	Steel Bulkhead	Restricted to the fire unexposed side	A-60	1220244 Rev. B, Fig. 1
MSR	4-12mm	Steel Bulkhead	Unrestricted	A-60	1220244 Rev. B, Fig. 2
MSR	13-32mm	Steel Bulkhead	Unrestricted	A-60	1220244 Rev. B, Fig. 3
MSR	4-32mm	Steel Deck	Unrestricted	A-60	1220244 Rev. B, Fig. 4
MSR	4-32mm	Steel Bulkhead	Restricted to the fire unexposed side	A-0	1220251 Rev. B, Fig. 1
MSR	4-12mm	Steel Bulkhead	Unrestricted	A-0	1220251 Rev. B, Fig. 2
MSR	13-32mm	Steel Bulkhead	Unrestricted	A-0	1220251 Rev. B, Fig. 3
MSR	4-32mm	Steel Deck	Unrestricted	A-0	1220251 Rev. B, Fig. 4

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Table 2. SR cable glands in A-0 and A-60 divisions

Seal	Maximum Cable Diameter (mm)	Application	Penetration position	Rating	Drawing
SR	4-50mm	Steel Bulkhead	Restricted to the fire unexposed side	A-60	1220247 Rev. B, Fig. 2
SR	51-110mm	Steel Bulkhead	Restricted to the fire unexposed side	A-60	1220247 Rev. B, Fig. 3
SR	4-12mm	Steel Bulkhead	Unrestricted	A-60	1220247 Rev. B, Fig. 1
SR	4-110mm	Steel Deck	Unrestricted	A-60	1220247 Rev. B, Fig. 4
SR	4-50mm	Steel Bulkhead	Restricted to the fire unexposed side	A-0	1220245 Rev. B, Fig. 2
SR	51-110mm	Steel Bulkhead	Restricted to the fire unexposed side	A-0	1220245 Rev. B, Fig. 3
SR	4-12mm	Steel Bulkhead	Unrestricted	A-0	1220245 Rev. B, Fig. 1
SR	4-110mm	Steel Deck	Unrestricted	A-0	1220245 Rev. B, Fig. 4

Table 3. DB cable glands in A-0 and A-60 divisions

Seal	Maximum Cable Diameter (mm)	Application	Penetration position	Rating	Drawing
DB	4-16mm	Steel Bulkhead	Unrestricted	A-60	1220246 Rev. B, Fig. 1
DB	17-60mm	Steel Bulkhead	Unrestricted	A-60	1220246 Rev. B, Fig. 2
DB	4-60mm	Steel Deck	Unrestricted	A-60	1220246 Rev. B, Fig. 3
DB	4-16mm	Steel Bulkhead	Unrestricted	A-0	1220253 Rev. B, Fig. 1
DB	17-60mm	Steel Bulkhead	Unrestricted	A-0	1220253 Rev. B, Fig. 2
DB ¹⁾	4-60mm	Steel Deck	Unrestricted	A-0	1220253 Rev. B, Fig. 3

¹⁾ Models M16-150-30 up to M60-150-30 included.

- Frame types MSR 20-63, SR 25-200 & DB 16-60.
- EMP (Electro Magnetic Pulse) variant also accepted.
- Cable transits are to be fitted with the as-tested insulation materials in all cases. Any modifications are subject to acceptance by the final project authority and the attending surveyor.
- Composition, application and installation of subcomponents, including adhesives, seals and any fire retardants, to be maintained in production and used in accordance with originally tested composition formula and method of application and installation, and manufacturer's instructions.
- Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance System (Module D), a Product-Quality Assurance System (Module E) or a Product Verification Process (Module F), as applicable. The UK Conformity Mark cannot be affixed to the product until a conformity assessment module is in place.
- Each item, batch or lot of the subject equipment is to be issued with a "UK Declaration of Conformity" and have the "UK Conformity Mark" affixed after a conformity assessment module is in place.

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ATTACHMENT TO UK TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26333054UKMB

10. The certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products are fully compliant with the relevant statutory regulations as applicable and are designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.
11. Should a change of Place of Production from that stated below be required i.e., where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.
12. The manufacturer must keep a copy of the UK type-examination certificate, its annexes, and additions together with the technical documentation at the disposal of the national authorities for a period of at least 10 years after the UK Conformity Mark has been affixed on the last product manufactured and, in no case for a period shorter than the expected life of the marine equipment concerned.

NOTE (FOR INFORMATION ONLY)

MSR, SR and DB penetrations were tested for a hydrostatic and pneumatic pressure of 5 Bar, as detailed in the referenced document: Lloyd's Register Witness Test Report No. QR14-11211G/W and QR14-11212G/W, both dated 15 June 2011

PLACE OF PRODUCTION

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 Sweden

M. Walk

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 Lloyd's Register EMEA
For and on behalf of Lloyd's Register Marine Ltd.
(LRM Ltd) - UK Approved Body 8512

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